



(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCT-166		of Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/JP 03/06682	28/05/2003	20/06/2002
Applicant	*	
NISSAN MOTOR CO.,LTD		
This International Search Report has beel according to Article 18. A copy is being tra	n prepared by this International Searching Auth	nority and is transmitted to the applicant
This International Search Report consists X It is also accompanied by	of a total of4 sheets. a copy of each prior art document cited in this	report.
Basis of the report		- · · · - · · · · · · · · · · · · · · ·
	international search was carried out on the bases otherwise indicated under this item.	sis of the international application in the
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	he international application furnished to this
was carried out on the basis of the contained in the internation of filed together with the internation of furnished subsequently to the statement that the subsequently international application at the statement that the informational contains of the statement of the statement that the informational contains of the statement that the information contains of the statement that the information contains of the statement that the information contains of the contains of the statement that the information contains of the statement that	e sequence listing: nal application in written form. rnational application in computer readable form this Authority in written form. this Authority in computer readble form. becquently furnished written sequence listing d s filed has been furnished. brimation recorded in computer readable form is and unsearchable (See Box I). king (see Box II).	
I 😑 "	bmitted by the applicant. hed by this Authority to read as follows:	
5. With regard to the abstract, X the text is approved as su the text has been establis		
6. The figure of the drawings to be publication	· ·	1
as suggested by the applicant fail		None of the figures.
	characterizes the invention.	

INTERNATIONAL SEARCH REPORT



International Application No 06682 PCT/JR

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C01B3/32 C01B3/38
H01M8/06

C01B3/36

C01B3/48

C01B3/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 CO1B HO1M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 09, 4 September 2002 (2002-09-04) -& JP 2002 147716 A (NISSAN MOTOR CO LTD), 22 May 2002 (2002-05-22) abstract figures 1,2/	1,8,9

Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.			
° Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but			
'A' document defining the general state of the art which is not considered to be of particular relevance	or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
'E' earlier document but published on or after the international filing date	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to			
L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the			
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*P" document published prior to the international filing date but later than the priority date claimed	*&* document member of the same patent family			
Date of the actual completion of the international search	Date of mailing of the international search report			
8 October 2003	21/10/2003			
Name and mailing address of the ISA	Authorized officer			
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Harf-Bapin, E			

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INTERNATIONAL SEARCH REPORT

International A	pplication No
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C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 09, 4 September 2002 (2002-09-04) & JP 2002 154805 A (NISSAN MOTOR CO LTD), 28 May 2002 (2002-05-28) abstract -& DATABASE WPI Week 200260 Derwent Publications Ltd., London, GB; AN 2002-561488 XP002256871 & JP 2002 154805 A (NISSAN MOTOR CO LTD), 28 May 2002 (2002-05-28) abstract	1-5
x	US 3 982 910 A (HOUSEMAN JOHN ET AL) 28 September 1976 (1976-09-28) column 3, line 58 - line 46 column 7, line 18 - line 46 figure 10	
A	EP 1 198 020 A (NISSAN MOTOR) 17 April 2002 (2002-04-17) paragraph '0018! - paragraph '0029! paragraph '0026! - paragraph '0029! figure 1	1-15

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Information patent family members

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